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NSB KINGS BAY  
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LETTER REQUESTING AUTHORIZATION OF TREATED GROUNDWATER DISCHARGE TO  
UPPER BASE WASTEWATER TREATMENT PLANT AND LAND APPLICATION SYSTEM  
NSB KINGS BAY GA  
12/30/1993  
NSB KINGS BAY

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CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Georgia Department of Natural Resources  
Attn: Mr. Larry Hedges  
Industrial Wastewater Program Manager  
205 Butler Street, SE, Suite 1070  
Atlanta, GA 30354

Dear Mr. Hedges:

This is to formally request your authorization to allow discharge of treated groundwater to SUBASE Upper Base Wastewater Treatment Plant and Land Application System, Las Permit No. GA 03-751.

We are providing for your information two copies of Request For Authorization For Groundwater Discharge into the NSB Kings Bay Land Application System, enclosure (1), and one copy of Draft Final RFI Interim Report For Site 11, Volumes I & II, enclosure (2). The RFI Interim Report has been reviewed and accepted by the Environmental Protection Division. Mr. Bruce Khaleghi and Ms. Madeleine Kellam are our contacts in EPD's Hazardous Waste Department.

Groundwater will be extracted from five recovery wells installed near the Old County Landfill (Site 11) on SUBASE property. The water will be treated on-site to meet State and Federal drinking water standards and will then be discharged to a manhole for delivery to the LAS system.

Currently, the LAS operates at approximately 64 percent of its permitted capacity of 1.5 million gallons per day (gpd). The proposed maximum treatment system discharge flow of 86,400 gpd (60 gpm, 24 hours per day) would represent approximately 5.7 percent additional flow. The Wastewater Treatment Plant, an Aerobic Facultative Process, includes two large lagoons equipped with surface aerators. This process allows aerobic and anaerobic degradation zones. The additional aerobic zone has the ability to degrade chlorinated organics more readily than a conventional system. Anaerobic degradation takes place in a "quiet zone". The process generates minimal sludge and discharges through sand filters to a land application system. This facility has discharge requirements of 10 mg/l BOD and 10 mg/l TSS. The treated groundwater discharge to the facility will not adversely affect these parameters.

The intended duration for discharge to the LAS is up to ten months. This includes six weeks of pilot scale testing to begin

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February 10, 1994 and eight months of continued operation of the treatment system during the design and implementation of a full-scale Interim Measure

As ABB Environmental Services is the operator of the pilot-scale test, we request that you provide a copy of your authorization to them at: ABB Environmental Systems, Inc., Attn: Mr. Frank Cater, 1400 Centerpoint Blvd., Suite 158, Knoxville, TN 37922.

We thank you for your consideration of this request and the continuing assistance you are providing to us and to ABB-ES. If you have questions regarding this request or the enclosed documents, please contact Mr. John Garner at 912-673-8845. Please address all correspondence to "Commanding Officer, Naval Submarine Base, 1063 USS Tennessee Avenue, Kings Bay, GA 31547-2606."

Sincerely,

L.P. SCULLION  
CAPTAIN, CEC, USN  
PUBLIC WORKS OFFICER  
BY DIRECTION OF THE  
COMMANDING OFFICER

Encl:

- (1) Request For Authorization For Groundwater Discharge
- (2) Draft Final RFI Interim Report, Volumes I & II

Copy to:

GaDNR (EPD), Bruce Khaleghi (w/1 copy encl (1))  
ABB-ES, Frank Cater (w/o encl)

Blind Copy to:

SOUTHNAVFACENGCOM, Dave Dregger (w/o encl)